



1713

Atty. Dkt. No. 023174-0176

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Masaru ISHINO et al.

Title: METHOD FOR PRODUCING  
PROPYLENE OXIDE

Appl. No.: 10/593,267

Filing Date: 9/18/06

Examiner: Unassigned

Art Unit: 1713

Confirmation Number:  
6446

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR §1.56**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Submitted herewith on Form PTO/SB/08 is a listing of documents known to Applicants in order to comply with Applicants' duty of disclosure pursuant to 37 CFR §1.56.

A copy of each non-U.S. patent document and each non-patent document is being submitted to comply with the provisions of 37 CFR §1.97 and §1.98.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

**TIMING OF THE DISCLOSURE**

The listed documents are being submitted in compliance with 37 CFR §1.97(b), before the mailing date of the first Office Action on the merits.

**RELEVANCE OF EACH DOCUMENT**

Some of the documents listed on the attached PTO/SB/08 was cited as being relevant during the prosecution of the corresponding International application. A copy of the International Search Report is attached setting forth the portion of each document considered relevant by the examiner.

Documents US 2004/0034258, WO 03/074422, EP 1489075 are the English-language counterparts of Documents JP 2002-102709, JP 2003-327425 and JP 2003-327581, respectively, as listed on the attached International Search Report. Documents A1, A2, A3, A4, A5, A6, A9, A10 and A11 are in English. English-language translations are attached for documents A7 and A8.

Applicants respectfully request that each listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

Although Applicant believes that no fee is required for this Request, the Commissioner is hereby authorized to charge any additional fees which may be required for this Request to Deposit Account No. 19-0741.

Respectfully submitted,

Date 3/19/2007

By Michael D. Kaminski

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Substitute for form 1449/PTO

Complete if Known

Application Number	10/593,267
Filing Date	3/18/2005
First Named Inventor	Masaru ISHINO
Art Unit	1713
Examiner Name	Unassigned

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Date Submitted: MAR 19 2007

(use as many sheets as necessary)

Sheet

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of

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Attorney Docket Number

023174-0176

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	A1	US 2004/0034258 A1	02-19-2004	OGUCHI et al.	= JP 2002-102709 A

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Documents	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
	A2	WO 03/074422 A1	09-12-2003	SHOWA DENKO K.K.	= JP 2003-327425 A	Abst.
	A3	WO 03/074421 A1	09-12-2003	SHOWA DENKO K.K.		Abst.
	A4	CA 2 524 730 A1	11-18-2004	BASF AKTIENGESELLSCHAFT		Abst.
	A5	EP 1 489 075 A1	12-22-2004	SUMITOMO CHEMICAL COMPANY, LIMITED	= JP 2003-327581 A	

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>
	A6	FAN, Weibin et al., "A Titanosilicate That Is Structurally Analogous to an MWW-Type Lamellar Precursor", Angew. Chem. Int. Ed., 2004, Vol. 43, pgs. 236-240	
	A7	SUGIMOTO, Kaori et al., "Synthesis of MWW type titanosilicate by fluoride method and catalytic characterization", 2003, pgs. 77	T
	A8	WU, Peng et al., "Preparation of Ti-MWW and specificity as liquid phase oxidation catalyst", Shokubai, Catalysis & Catalysis, 2001, Vol. 43, pgs. 158-160	T
	A9	WU, Peng et al., "Preparation of B-free Ti-MWW through reversible structural conversion", Chem. Comm., 2002, pgs. 1026-1027	
	A10	WU, Peng et al., "Hydrothermal Synthesis of a Novel Titanosilicate with MWW Topology", Chemistry Letters, 2000, pgs. 774-775	
	A11	WU, Peng et al., "A Novel Titanosilicate with MWW Structure: ii. Catalytic Properties in the Selective Oxidation of Alkenes", J. Catalysis, 2001, Vol. 202, pgs. 245-255	

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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